

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/287,332A

Source: 1Fw/6

Date Processed by STIC: 5/18/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 05/18/2005

PATENT APPLICATION: US/09/287,332A

TIME: 11:34:46

Input Set : A:\16777309.app

Output Set: N:\CRF4\05182005\I287332A.raw

3 <110> APPLICANT: GAUTVIK, KAARE M.
4 ALSTROM, PETER
5 OYEN, TORDIS B.
6 GABRIELSEN, ODD S.
8 <120> TITLE OF INVENTION: PRODUCTION OF HUMAN PARATHYROID HORMONE FROM
9 MICROORGANISMS
11 <130> FILE REFERENCE: 16777/309
13 <140> CURRENT APPLICATION NUMBER: 09/287,332A
14 <141> CURRENT FILING DATE: 1999-04-07
16 <160> NUMBER OF SEQ ID NOS: 29
18 <170> SOFTWARE: PatentIn Ver. 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 348
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
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26 <221> NAME/KEY: modified_base
27 <222> LOCATION: (9)..(9)
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56 <221> NAME/KEY: modified_base
57 <222> LOCATION: (48)..(48)
58 <223> OTHER INFORMATION: a, c, g, or t

P.6

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60 <220> FEATURE:
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62 <222> LOCATION: (60)..(60)
63 <223> OTHER INFORMATION: a, c, g, or t
65 <220> FEATURE:
66 <221> NAME/KEY: modified_base
67 <222> LOCATION: (63)..(63) ✓
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70 <220> FEATURE:
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72 <222> LOCATION: (69)..(69) ✓
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75 <220> FEATURE:
76 <221> NAME/KEY: modified_base
77 <222> LOCATION: (75)..(75) ✓
78 <223> OTHER INFORMATION: a, c, g, or t
80 <220> FEATURE:
81 <221> NAME/KEY: modified_base
82 <222> LOCATION: (81)..(81) ✓
83 <223> OTHER INFORMATION: a, c, g, or t
85 <220> FEATURE:
86 <221> NAME/KEY: modified_base
87 <222> LOCATION: (84)..(84) ✓
88 <223> OTHER INFORMATION: a, c, g, or t
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92 <222> LOCATION: (93)..(93)
93 <223> OTHER INFORMATION: a, c, g, or t
95 <220> FEATURE:
96 <221> NAME/KEY: modified_base
97 <222> LOCATION: (96)..(96) ✓
98 <223> OTHER INFORMATION: a, c, g, or t
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103 <223> OTHER INFORMATION: a, c, g, or t
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107 <222> LOCATION: (102)..(102) ✓
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117 <222> LOCATION: (126)..(126) ✓
118 <223> OTHER INFORMATION: a, c, g, or t
120 <220> FEATURE:

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121 <221> NAME/KEY: modified_base ✓
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123 <223> OTHER INFORMATION: a, c, g, or t
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135 <220> FEATURE:
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138 <223> OTHER INFORMATION: a, c, g, or t
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142 <222> LOCATION: (156)..(156) ✓
143 <223> OTHER INFORMATION: a, c, g, or t
145 <220> FEATURE:
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148 <223> OTHER INFORMATION: a, c, g, or t
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152 <222> LOCATION: (168)..(168) ✓
153 <223> OTHER INFORMATION: a, c, g, or t
155 <220> FEATURE:
156 <221> NAME/KEY: modified_base ✓
157 <222> LOCATION: (177)..(177)
158 <223> OTHER INFORMATION: a, c, g, or t
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161 <221> NAME/KEY: modified_base
162 <222> LOCATION: (186)..(186) ✓
163 <223> OTHER INFORMATION: a, c, g, or t
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167 <222> LOCATION: (198)..(198) ✓
168 <223> OTHER INFORMATION: a, c, g, or t
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172 <222> LOCATION: (201)..(201) ✓
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175 <220> FEATURE:
176 <221> NAME/KEY: modified_base
177 <222> LOCATION: (204)..(204) ✓
178 <223> OTHER INFORMATION: a, c, g, or t
180 <220> FEATURE:
181 <221> NAME/KEY: modified_base

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Input Set : A:\16777309.app

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182 <222> LOCATION: (207)..(207) ✓
183 <223> OTHER INFORMATION: a, c, g, or t
185 <220> FEATURE:
186 <221> NAME/KEY: modified_base
187 <222> LOCATION: (210)..(210) ✓
188 <223> OTHER INFORMATION: a, c, g, or t
190 <220> FEATURE:
191 <221> NAME/KEY: modified_base
192 <222> LOCATION: (213)..(213) ✓
193 <223> OTHER INFORMATION: a, c, g, or t
195 <220> FEATURE:
196 <221> NAME/KEY: modified_base ✓
197 <222> LOCATION: (216)..(216)
198 <223> OTHER INFORMATION: a, c, g, or t
200 <220> FEATURE:
201 <221> NAME/KEY: modified_base
202 <222> LOCATION: (219)..(219) ✓
203 <223> OTHER INFORMATION: a, c, g, or t
205 <220> FEATURE:
206 <221> NAME/KEY: modified_base ✓
207 <222> LOCATION: (222)..(222)
208 <223> OTHER INFORMATION: a, c, g, or t
210 <220> FEATURE:
211 <221> NAME/KEY: modified_base
212 <222> LOCATION: (225)..(225)
213 <223> OTHER INFORMATION: a, c, g, or t ✓
215 <220> FEATURE:
216 <221> NAME/KEY: modified_base
217 <222> LOCATION: (231)..(231) ✓
218 <223> OTHER INFORMATION: a, c, g, or t
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221 <221> NAME/KEY: modified_base
222 <222> LOCATION: (234)..(234) ✓
223 <223> OTHER INFORMATION: a, c, g, or t
225 <220> FEATURE:
226 <221> NAME/KEY: modified_base ✓
227 <222> LOCATION: (237)..(237)
228 <223> OTHER INFORMATION: a, c, g, or t
230 <220> FEATURE:
231 <221> NAME/KEY: modified_base ✓
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233 <223> OTHER INFORMATION: a, c, g, or t
235 <220> FEATURE:
236 <221> NAME/KEY: modified_base
237 <222> LOCATION: (246)..(246) ✓
238 <223> OTHER INFORMATION: a, c, g, or t
240 <220> FEATURE:
241 <221> NAME/KEY: modified_base
242 <222> LOCATION: (249)..(249) ✓

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Input Set : A:\16777309.app

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243 <223> OTHER INFORMATION: a, c, g, or t
245 <220> FEATURE:
246 <221> NAME/KEY: modified_base ✓
247 <222> LOCATION: (267)..(267) ✓
248 <223> OTHER INFORMATION: a, c, g, or t
250 <220> FEATURE:
251 <221> NAME/KEY: modified_base ✓
252 <222> LOCATION: (270)..(270) ✓
253 <223> OTHER INFORMATION: a, c, g, or t
255 <220> FEATURE:
256 <221> NAME/KEY: modified_base ✓
257 <222> LOCATION: (273)..(273) ✓
258 <223> OTHER INFORMATION: a, c, g, or t
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261 <221> NAME/KEY: modified_base ✓
262 <222> LOCATION: (279)..(279) ✓
263 <223> OTHER INFORMATION: a, c, g, or t
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266 <221> NAME/KEY: modified_base ✓
267 <222> LOCATION: (291)..(291) ✓
268 <223> OTHER INFORMATION: a, c, g, or t
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271 <221> NAME/KEY: modified_base ✓
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273 <223> OTHER INFORMATION: a, c, g, or t
275 <220> FEATURE:
276 <221> NAME/KEY: modified_base ✓
277 <222> LOCATION: (297)..(297) ✓
278 <223> OTHER INFORMATION: a, c, g, or t
280 <220> FEATURE:
281 <221> NAME/KEY: modified_base ✓
282 <222> LOCATION: (303)..(303) ✓
283 <223> OTHER INFORMATION: a, c, g, or t
285 <220> FEATURE:
286 <221> NAME/KEY: modified_base ✓
287 <222> LOCATION: (312)..(312) ✓
288 <223> OTHER INFORMATION: a, c, g, or t
290 <220> FEATURE:
291 <221> NAME/KEY: modified_base ✓
292 <222> LOCATION: (318)..(318) ✓
293 <223> OTHER INFORMATION: a, c, g, or t
295 <220> FEATURE:
296 <221> NAME/KEY: modified_base ✓
297 <222> LOCATION: (324)..(324) ✓
298 <223> OTHER INFORMATION: a, c, g, or t
300 <220> FEATURE:
301 <221> NAME/KEY: modified_base ✓
302 <222> LOCATION: (327)..(327) ✓
303 <223> OTHER INFORMATION: a, c, g, or t

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/287,332A

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 9, 12, 24, 30, 39, 45, 48, 60, 63, 69, 75, 81, 84, 93, 96, 99, 102, 114, 126
Seq#:1; N Pos. 129, 138, 144, 153, 156, 165, 168, 177, 186, 198, 201, 204, 207, 210, 213
Seq#:1; N Pos. 216, 219, 222, 225, 231, 234, 237, 243, 246, 249, 267, 270, 273, 279, 291
Seq#:1; N Pos. 294, 297, 303, 312, 318, 324, 327, 330, 336, 342
Seq#:3; N Pos. 13, 16, 28, 34, 43, 49, 52, 64, 67, 73, 79, 85, 88, 97, 100, 103, 106, 118
Seq#:3; N Pos. 130, 133, 142, 148, 157, 160, 169, 172, 181, 190, 202, 205, 208, 211, 214
Seq#:3; N Pos. 217, 220, 223, 226, 229, 235, 238, 241, 247, 250, 253, 271, 274, 277, 283
Seq#:3; N Pos. 295, 298, 301, 307, 316, 322, 328, 331, 334, 340, 346
Seq#:8; N Pos. 443, 446, 449, 461, 473, 476, 485, 491, 500, 503, 512, 515, 524, 533, 545
Seq#:8; N Pos. 548, 551, 554, 557, 560, 563, 566, 569, 572, 578, 581, 584, 590, 593, 596
Seq#:8; N Pos. 614, 617, 620, 626, 638, 641, 644, 650, 659, 665, 671, 674, 677, 683, 689

VERIFICATION SUMMARY

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L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

M:341 Repeated in SeqNo=1

L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0

M:341 Repeated in SeqNo=3

L:1013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:420

M:341 Repeated in SeqNo=8